

Recovery Plan Action Status

Plan Name: Recovery Plan for U.S. Population of Atlantic Green Turtle

Plan Status: Final Revision 1

Plan Date: 29-Oct-91

Lead Agency: Joint

Lead Office: North Florida Ecological Services Field Office

(904)
232-2580)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Green sea turtle (Chelonia mydas)	3	1111	Implement and evaluate beach tilling	Ongoing Current	Prior to FY 1995		U.S. Army Corps of Engineers	Work type not yet selected	Labor type not yet selected	No estimate; costs to be borne by specific nourishment projects
Green sea turtle (Chelonia mydas)	2	1112	Evaluate sand characteristics relative to hatch success and nesting behavior	Ongoing Current	Prior to FY 1995		U.S. Army Corps of Engineers	Work type not yet selected	Labor type not yet selected	
Green sea turtle (Chelonia mydas)	2	1113	Re-establish dunes and native vegetation on beach nourishment projects	Ongoing Current	Prior to FY 1995		U.S. Army Corps of Engineers	Work type not yet selected	Labor type not yet selected	No estimate; costs to be borne by specific nourishment projects
Green sea turtle (Chelonia mydas)	3	1114	Evaluate sand transfer systems	Unknown			U.S. Army Corps of Engineers	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	1	1121	Evaluate current laws on beach armoring	Ongoing Current	Prior to FY 1995		Florida Department of Natural Resources	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	1	1122	Enforce laws regulating coastal construction	Ongoing Current	Prior to FY 1995		Puerto Rico Department of Natural and Environmental Resources, Virgin Island Department of Planning and Natural Resources , Florida Department of Natural Resources	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	2	1123	Ensure failed erosion control measures are removed	Ongoing Current	Prior to FY 1995		Florida Department of Natural Resources	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	3	1124	Develop standard requirements for sand fence construction	Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Florida Department of Natural Resources	Work type not yet selected	Labor type not yet selected	Routine

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Green sea turtle (Chelonia mydas)	1	1131	Acquire nesting beaches between Melbourne and Wabasso Beach, FL	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Department of Natural Resources	Work type not yet selected	Labor type not yet selected	Total estimated costs of acquisition = 90M; Same as loggerhead task 114 costs not additive.
Green sea turtle (Chelonia mydas)	2	1132	Evaluate status of Hutchinson Island, FL and develop long-term protection plan	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Department of Natural Resources	Work type not yet selected	Labor type not yet selected	Cost will be associated with acquisition if identified in protection plan; recommendation by 1-91. Same as loggerhead task 115, costs not additive.
Green sea turtle (Chelonia mydas)	3	114	Remove exotic vegetation at Hobe Sound NWR, FL, St. Lucie State Park and other important nesting beaches	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Department of Natural Resources	Work type not yet selected	Labor type not yet selected	Same as loggerhead task 117, costs not additive.
Green sea turtle (Chelonia mydas)	2	121	Identify important marine foraging habitat	Ongoing Current	Prior to FY 1995		Texas Department of Parks and Wildlife, Alabama Department of Conservation and Natural Resources, Georgia Department of Natural Resources, Louisiana Department of Wildlife and Fisheries, Mississippi Department of Wildlife, Fisheries and Parks, Florida Department of Natural Resources, North Carolina Department of Environment, Health, and Natural Resources, National Marine Fisheries Service, South Carolina Wildlife and Marine Resources Department, Virginia Marine Resources Commission	Work type not yet selected	Labor type not yet selected	Funds are identified under 2211 because of research overlap with population studies. Task duration = 10-15 years.

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Green sea turtle (Chelonia mydas)	2	122	Prevent degradation/improve water quality of important marine habitat	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Environmental Protection Agency , Office of Coastal Zone Management , National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	3	123	Prevent habitat degradation from fishing gear and vessel anchoring	Ongoing Current	Prior to FY 1995		National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	3	124	Prevent habitat destruction from oil and gas activities	Ongoing Current	Prior to FY 1995		U.S. Army Corps of Engineers, Minerals Management Service , National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	3	125	Prevent habitat destruction from dredging	Ongoing Current	Prior to FY 1995		U.S. Army Corps of Engineers, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	2	126	Restore important foraging habitat	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	No estimate; recommendations by 1-93
Green sea turtle (Chelonia mydas)	1	211	Monitor trends in nesting activity	Ongoing Current	Prior to FY 1995		National Park Service, U.S. Fish and Wildlife Service, Puerto Rico Department of Natural and Environmental Resources, Florida Department of Natural Resources , Florida Power and Light , United States Air Force , Virgin Islands Division of Fish and Wildlife, Coastal counties and cities	Work type not yet selected	Labor type not yet selected	Costs include activities in 212 and 2144

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Green sea turtle (Chelonia mydas)	1	212	Evaluate nest success and implement nest protection measures	Ongoing Current	Prior to FY 1995		National Park Service, U.S. Fish and Wildlife Service, Puerto Rico Department of Natural and Environmental Resources, Florida Department of Natural Resources , Florida Power and Light , United States Air Force , Virgin Islands Division of Fish and Wildlife, Coastal counties and cities	Work type not yet selected	Labor type not yet selected	Cost included in 211; Same as loggerhead task 212, costs not additive.
Green sea turtle (Chelonia mydas)	3	213	Determine influence of tidal inundation and foot traffic on hatch success	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Department of Natural Resources	Work type not yet selected	Labor type not yet selected	Loggerhead will serve as model; costs not additive to loggerhead task 213
Green sea turtle (Chelonia mydas)	2	2141	Determine hatchling orientation mechanisms; assess dispersal patterns	Ongoing Current	Prior to FY 1995		Canaveral Port Authority , Kennedy Space Center , United States Air Force	Work type not yet selected	Labor type not yet selected	Same as loggerhead task 2142, costs not additive.
Green sea turtle (Chelonia mydas)	2	2142	Implement and enforce lighting ordinances	Ongoing Current	Prior to FY 1995		Coastal counties and cities	Work type not yet selected	Labor type not yet selected	No estimate
Green sea turtle (Chelonia mydas)	3	2143	Evaluate extent of hatchling disorientation on important regional nesting beaches	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Department of Natural Resources , Coastal counties and cities	Work type not yet selected	Labor type not yet selected	Costs included in 211
Green sea turtle (Chelonia mydas)	3	2144	Evaluate need for Federal lighting regulations	Discontinued	Prior to FY 1995		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	2	2145	Develop lighting plans for Cape Canaveral, FL and Patrick AFB, FL	Ongoing Current	Prior to FY 1995		Canaveral Port Authority , Kennedy Space Center , United States Air Force	Work type not yet selected	Labor type not yet selected	No estimate complete in FY 91, FY 92, FY 93
Green sea turtle (Chelonia mydas)	3	2146	Prosecute parties responsible for hatchling disorientation	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Routine

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Green sea turtle (Chelonia mydas)	3	215	Ensure coastal construction activities avoid disruption of nesting/hatchling activities	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Puerto Rico Department of Natural and Environmental Resources, Virgin Island Department of Planning and Natural Resources, Florida Department of Natural Resources	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	3	216	Ensure law enforcement activities minimize poaching and harassment on nesting beaches	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Department of Natural Resources	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	3	217	Determine natural hatchling sex ratios	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Department of Natural Resources	Work type not yet selected	Labor type not yet selected	Costs included in 211

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Green sea turtle (Chelonia mydas)	1	2211	Determine seasonal distribution, abundance, pop. characteristics status in inshore and nearshore waters	Ongoing Current	Prior to FY 1995		Texas Department of Parks and Wildlife, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Georgia Department of Natural Resources, Puerto Rico Department of Natural and Environmental Resources, Virgin Island Department of Planning and Natural Resources , Florida Department of Natural Resources , Minerals Management Service , North Carolina Department of Environment, Health, and Natural Resources , National Marine Fisheries Service , South Carolina Wildlife and Marine Resources Department	Work type not yet selected	Labor type not yet selected	Same as loggerhead task 2211, costs are not additive. Task duration = 15-20 years.
Green sea turtle (Chelonia mydas)	2	2212	Determine adult navigation mechanisms, migratory pathways, distribution and movements	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Minerals Management Service , National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Total cost for all agencies
Green sea turtle (Chelonia mydas)	2	2213	Determine threats along migratory routes and on foraging grounds	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, Minerals Management Service , National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	No estimate
Green sea turtle (Chelonia mydas)	2	2214	Determine breeding population origins for U.S. juvenile/subadult populations	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	

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Green sea turtle (Chelonia mydas)	2	2215	Determine growth rates, age at sexual maturity, survivorship rates	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Other costs associated with 2211; same as loggerhead task 2215; costs are not additive.
Green sea turtle (Chelonia mydas)	1	2221	Implement and enforce TED regulations	Ongoing Current	Prior to FY 1995		National Marine Fisheries Service , State Marine Fisheries Commissions	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	3	2222	Provide technology transfer installation and use of TEDS	Ongoing Current	Prior to FY 1995		National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	2	2223	Maintain sea turtle stranding network	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Same as loggerhead task 2223, costs are not additive.
Green sea turtle (Chelonia mydas)	2	2224	Monitor other fisheries causing mortality	Ongoing Current	Prior to FY 1995		National Marine Fisheries Service , State Marine Fisheries Commissions	Work type not yet selected	Labor type not yet selected	
Green sea turtle (Chelonia mydas)	2	2225	Promulgate regulations to reduce fishery related mortality	Ongoing Current	Prior to FY 1995		National Marine Fisheries Service , State Marine Fisheries Commissions	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	3	2231	Monitor turtle mortality on dredges	Ongoing Current	Prior to FY 1995		U.S. Army Corps of Engineers, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	No estimate; COE responsible for costs and NMFS for oversight.
Green sea turtle (Chelonia mydas)	3	2232	Evaluate modifications of dredge dragheads or devices to reduce turtle captures	Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Army Corps of Engineers, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	No estimate; COE responsible for costs.
Green sea turtle (Chelonia mydas)	3	2233	Determine seasonality and abundance of turtles at dredging localities	Ongoing Current	Prior to FY 1995		U.S. Army Corps of Engineers, National Marine Fisheries Service , United States Navy	Work type not yet selected	Labor type not yet selected	No estimate; COE responsible for costs; costs included in estimates in 2211.
Green sea turtle (Chelonia mydas)	2	2241	Determine effects of oil and dispersants on all life stages	Unknown			U.S. Army Corps of Engineers, Minerals Management Service , National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	No estimate, MMS and industry responsible for costs.

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Green sea turtle (Chelonia mydas)	3	2242	Ensure impacts are addressed during planning of oil and gas development	Ongoing Current	Prior to FY 1995		U.S. Army Corps of Engineers, Minerals Management Service , National Marine Fisheries Service , Oil Industry	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	3	2243	Determine sea turtle distribution and seasonal use of marine habitats associated with oil and gas development	Unknown			U.S. Army Corps of Engineers, Minerals Management Service , National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Costs included in estimates in 2211. Task duration = 3-5 years.
Green sea turtle (Chelonia mydas)	2	2251	Evaluate extent of entanglement/ingestion of persistent marine debris	Ongoing Current	Prior to FY 1995		Environmental Protection Agency , National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Same as loggerhead task 2251, costs not additive.
Green sea turtle (Chelonia mydas)	2	2252	Evaluate effects of ingestion of persistent marine debris on health and viability	Ongoing Current	Prior to FY 1995		Environmental Protection Agency , National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	
Green sea turtle (Chelonia mydas)	2	2253	Implement measures to reduce or eliminate persistent marine debris	Ongoing Current	Prior to FY 1995		Environmental Protection Agency , United States Coast Guard	Work type not yet selected	Labor type not yet selected	No estimate
Green sea turtle (Chelonia mydas)	2	226	Increase law enforcement efforts to reduce poaching in U.S. waters	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Additional LE manpower is needed in Puerto Rico
Green sea turtle (Chelonia mydas)	1	227	Assess mortality and determine etiology of fibropapillomatosis	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Department of Natural Resources , National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Task duration = 5-10 years.
Green sea turtle (Chelonia mydas)	3	2281	Centralize tag series records	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Routine; FY91
Green sea turtle (Chelonia mydas)	3	2282	Centralize turtle tagging records	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Estimated costs 50K annually; same as loggerhead task 2272, costs not additive.
Green sea turtle (Chelonia mydas)	3	2291	Develop standards for care and maintenance of captive sea turtles	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	

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Green sea turtle (Chelonia mydas)	3	2292	Develop manual for treatment of disease	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	
Green sea turtle (Chelonia mydas)	3	2293	Establish catalog for all captive sea turtles	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	3	2294	Designate rehabilitation facilities	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	3	31	Provide slide programs/information on leaflets	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	3	32	Develop brochure on recommended lighting modifications	Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	3	33	Develop PSA on artificial light problem	Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Florida Department of Natural Resources	Work type not yet selected	Labor type not yet selected	Same as loggerhead task 33, costs not additive.
Green sea turtle (Chelonia mydas)	3	34	Ensure permitted facilities display turtles with educational displays	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	3	35	Post educational/informational signs on important nesting beaches	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Florida Department of Natural Resources	Work type not yet selected	Labor type not yet selected	Routine
Green sea turtle (Chelonia mydas)	2	41	Develop international agreements	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Routine